



BOX PATENT APPLICATION

Docket No.: 2002 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: DEAS, Alexander, Roger; ABROSIMOV, Igor
Anatolievich

Serial No.: 10/090,829

Filed: 06/03/2002

Art unit: 2661

Confirmation No. 5803

Examiner: Not assigned yet

For: INTERFACE DEVICE WITH STORED DATA ON
TRANSMISSION LINE CHARACTERISTICS

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Technology Center 2600

Assistant Commissioner for Patents
November 22, 2002
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §§ 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to the patentability of the claims of the above-identified application.

DE 199 22 907 (Advantest Corp.) issued 09 December 1999, having an analog US 6,417,682 filed 19 May 1999, a copy of which is also enclosed;

U.S. Patent No. 5,225,775 (Advantest Corp.), issued 6 July 1993;

WO 00 00837 (Klotchkov), published 6 January 2000;

US 6,073,259 (Teradyne, Inc.), issued 6 June 2000;

GB 2 322 203 (Advantest Corp.) issued 19 August 1998.

One copy of the each of listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) Before the mailing date of the first Office Action on the merits; or (2) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. §1.97 (e) of fee under 37 C.F.R. §1.17 (p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

REMARKS

The Applicant would like to draw the attention of the Examiner to the fact that the above documents were cited in the ISR by EPO with respect to claims of PCT/RU01/00289 filed 06 July 2001, of which the present US application is a Continuation-in-Part.

The following comments can be made in connection with the above.

Though DE 199 22907 (full analog of which is US 6,417,682) was cited in the IDS in category X, as influencing the novelty of the claims of the PCT application, we believe the invention is novel over this prior art for the following reasons.

According to US 6,417,682 (DE 199 22907) to Advantest Corp., the timing delays are stored in a memory to compensate for different signal line lengths relating to various wire patterns. According to the present invention, the timing errors caused by cross-talk influence are measured with respect to specific data patterns (see claims 1, 17, 24 and specification, paragraphs 0043, 0046, 0052).


Moreover, in comparison to original PCT application, wherein “a tester interface such as a DUT interface board (DIB) is equipped with a means for storing the results of measurements of transmission line behavior caused by the combination of crosstalk or crosstalk artifacts and physical manufacturing tolerances or impedance errors in signal paths in a test head and interface board”, according to the present invention, a new feature is added, namely, “the timing errors are measured for a group of signals and compensated by applying correction coefficients to a whole group of signals which provides increasing greatly the effectiveness of compensation and reduces time consuming calibration operations.” In testers, the information is used to enable accurate calibration of timings of signals associated with a DUT.

Please note that the above amendments are based on the original PCT publication, WO 02/03146, see p.10, lines 10 through page 11, line 4.

As for US 5,225,775 cited in category Y, it is discussed in the specification of the present application, paragraphs 0011, 0012 and 0047.

Respectfully submitted,

February 18, 2003



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FORM PTO-1449 (Rev. 2-32)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 10/090,829		DOCKET NO. 2002 US	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANTS DEAS, Alexander, Roger ABROSIMOV, Igor Anatolievich			
				FILING DATE March 6, 2002			
U.S. PATENT DOCUMENTS							
Examiner Initial	Cite No.	Document Number	Date MM-DD-YYYY	Name of Patentee or Applicant	Class	Subclass	Filing date if appropriate
	1	5225775 A	07-06-1993	Sekino Takashi	324	158 R	
	2	6073259 A	06-06-2000	Muething JR Gerald F et al	714	724	
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FOREIGN PATENT DOCUMENTS							
Examiner	Cite No.	Document Number	Date MM-DD-YYYY	Country	Class	Subclass	Translation YES/NO
	1	DE 19922907 A	12-09-1999	Advantest Corp.	G01R 31	3183	
	2	WO 00 00837 A	01-06-2000	Klotchkov Ilya V.	G01R 31	319	
	3	GB 2322203 A	08-19-1998	Advantest Corp.	G01R 31	319	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER				DATE CONSIDERED			